

Abstract of the Disclosure**Structured System**

for Monitoring and Controlling the Engineering Equipment of an Installation

5 The present inventions pertains to the field of automatic control systems based on computer technology, and essentially relates to a structured system for monitoring and controlling the engineering equipment in an installation, mainly a building comprising several floors. The system includes a central computer module with an input-output device as well as a plurality of monitoring and/or measuring and/or control sensors and/or

10 control devices for the units and apparatus of the engineering equipment in the building. The module consists of a programmable computer server station having functions, according to the software, that provide for the centralized reception of monitoring data through information channels within a single network protocol, as well as for the processing of said data and for the output of control signals towards the control devices

15 for the units and apparatus of the engineering equipment in the building. This system further includes controllers connected in a "star" circuit to the input-output device of the central computer module. Each controller has a plurality of remote input-output modules connected serially thereto, while each of said modules has a corresponding sensor or a control device connected thereto. At least one additional computer station is connected

20 through its input-output module to the corresponding controller that ensures, according to the software, the local monitoring and the control of the units and apparatus in at least one functionally independent section of the engineering equipment in the building.

1 illustration